

Cracking Hydrocarbons

Q1 Fill in the gaps by choosing from the words in the box.

high	shorter	long	saturated	catalyst	cracking
diesel	molecules	petrol	double bond	alkenes	

There is more need for chain fractions of crude oil such as than for longer chains such as

Heating hydrocarbon molecules to temperatures with a breaks them down into smaller

This is called It also produces which are needed for making plastics.

Q2 This apparatus can be used to crack a **liquid hydrocarbon** such as **paraffin**.

a) Where would the paraffin be?

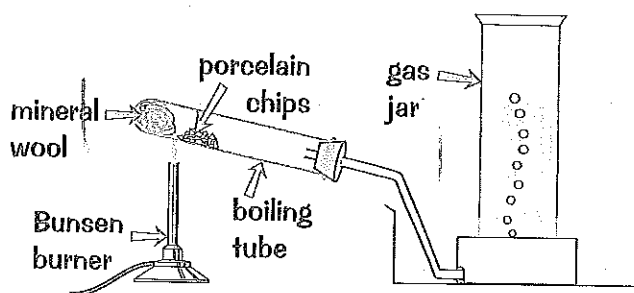
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b) What are the porcelain chips for?

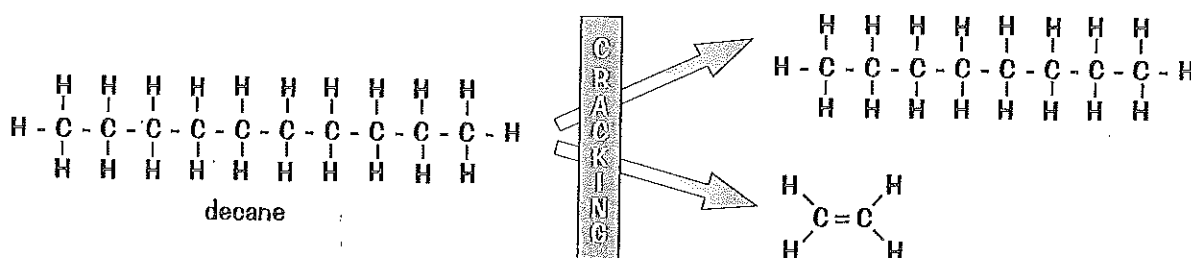
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c) What collects in the gas jar?

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Q3 Change this diagram into a **symbol equation**.



Symbol equation: → +